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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	John Jianhua Chen, Lixiao Wang, Yiqun Wang, Albert C.C. Chin
Application No.:	09/885568
Filed:	June 20, 2001
For:	Dimensionally Stable Balloons
Group Art Unit:	1772

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Docket No.: S63.2B-9515-US01

**TRANSMITTAL LETTER**

1. In regard to the above-identified application, in addition to this 2 page transmittal letter, we are submitting the attached: **4 page Supplemental Information Disclosure Statement; 8 page List of References; 58 Cited References; and Return Postcard.**
2. With respect to fees:
  - ☐ No additional fee is required.
  - ☒ Attached is check(s) in the amount of \$ 180.00
  - ☒ Charge any fee deficiency to our Deposit Account No. 22-0350.
3. **CONDITIONAL PETITION FOR EXTENSION OF TIME**

This conditional petition is being filed along with the papers identified in Item 1 above and provides for the possibility that Applicant has inadvertently overlooked the need for a petition and fee for extension of time or for a petition and fee for any other matter petitionable to the Commissioner as required. If any extension of time for the accompanying response is required or if a petition for any other matter is required, by petitioner, Applicant requests that this be considered a petition therefor.
4. Notwithstanding paragraph 2 above, if any additional fees associated with this communication are required and have not otherwise been paid, including any fee associated with the Conditional Petition for Extension of Time, or any request in the accompanying papers for action which requires a fee as a petition to the Commissioner, please charge the additional fees to Deposit Account No. 22-0350.

Please charge any additional fees or credit overpayment associated with this communication to the Deposit Account No. 22-0350.

Respectfully submitted,

VIDAS, ARRETT & STEINKRAUS

Date: April 19, 2005

By: \_\_\_\_\_

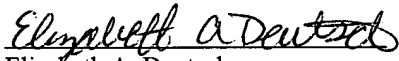
  
Lisa R. Lindquist

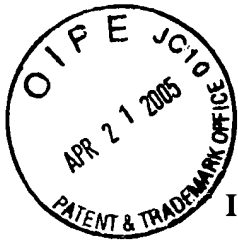
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**Certificate Under 37 CFR 1.8:** I hereby certify that this Transmittal Letter and the paper(s) as described herein, are being deposited in the U.S. Postal Service, as FIRST CLASS MAIL, addressed to Mail Stop Amendment, Commissioner for Patent, P.O. Box 1450, Alexandria, VA 22313-1450, on April 19, 2005.

  
Elizabeth A. Deutsch



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**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Listed below or on an attached form listing the cited references and/or a copy of a PTO-892 form is information known to applicant(s). A copy of each listed foreign patent and each listed publication other than U.S. patents and U.S. patent application publications is being submitted herewith, along with a concise explanation of information in a foreign language, if any, pursuant to 37 C.F.R. §1.97-1.98, *except that* U.S. patents and U.S. published applications from which priority is claimed under 35 U.S.C. §120, and documents cited in such priority applications, may be omitted from the enclosures pursuant to 37 C.F.R. 1.98(d). Applicant's submission of copies of unpublished U.S. applications does not constitute a waiver of the confidentiality of such applications. As such, **Applicant requests that any copies of unpublished US applications submitted herewith be excluded from the file wrapper pursuant to 37 C.F.R. §1.14.**

Applicants respectfully request that the listed information be considered by the Examiner and be made of record in the above-identified application. If the form listing the cited references or PTO-892 from a prior application is enclosed, the Examiner is requested to initial and return it in accordance with MPEP §609.

This statement is not intended to represent that a search has been made or that the information cited in the statement is prior art, or is or is considered to be, material to patentability as defined in §1.56.

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Applications that are listed on the accompanying form listing the cited references as related by priority are related by priority claim under 35 USC §120. Pursuant to 37 CFR §1.98(d), no copies of cited art in a previous application(s) to which priority was claimed need be submitted. Applicant is providing copies of the form listing the cited references and/or 892 forms from these cases.

\_\_\_\_\_ I. This statement qualifies as a no-fee Information Disclosure Statement under 37 C.F.R. §1.97(b) or otherwise because to the knowledge of the undersigned attorney it is being filed (check all that apply):

- \_\_\_\_\_ (1) within 3 months of the filing date of the application (other than a CPA); or
- \_\_\_\_\_ (2) within 3 months of entry of the national stage; or
- \_\_\_\_\_ (3) before the mailing of a first Office Action on the merits;
- \_\_\_\_\_ (4) before the mailing of a first Office Action after the filing of a request for continued examination (RCE) under §1.114;
- \_\_\_\_\_ (5) as part of a continued prosecution application (CPA); or
- \_\_\_\_\_ (6) during the period of a suspension of action for a CPA under 37 C.F.R. §1.103(b).

X II. This statement is believed to require a fee or the submission of a certification under 37 C.F.R. §1.97 (c) or otherwise. If this statement is being filed after the latest of: (1) three months beyond the filing date of a national application (other than CPA); (2) three months beyond the date of entry of the national stage as set forth in §1.491 in an international application; (3) the mailing of a first Office Action on the merits; (4) the mailing of a first Office Action after the filing of a request for continued examination under §1.114; or (5) after the filing of a request for a continued prosecution application, but before the mailing date of the earlier of a final office action under §1.113, a notice of allowance under §1.311 or an action that otherwise closes prosecution in the application, then:

- \_\_\_\_\_ (1) a certification as specified in §1.97(e) is provided below; or
- X (2) a fee of \$180.00 as set forth in §1.17(p) is authorized below, enclosed, or included with the payment of other papers filed together with this statement.

\_\_\_\_ **III. 37 C.F.R. §1.97(d).** If this statement is being filed after the mailing date of the earlier of a final office action under §1.113, a notice of allowance under §1.311, or an action that otherwise closes prosecution in the application, but before payment of the issue fee, then:

- \_\_\_\_ (1) a certification as specified in §1.97(e) is completed below; and  
\_\_\_\_ (2) a fee of \$180.00 as set forth in §1.17(p) is authorized below, enclosed, or included with payment of other papers filed together with this statement.

**X** **IV. Fee Authorization.** If any fee is due for consideration of this Information Disclosure Statement and full payment has not been submitted herewith, regardless of which boxes have been checked above, the Commissioner is hereby authorized to charge any additional fees associated with this communication to Deposit Account No. 22-0350. The Commissioner is hereby authorized to credit any overpayment associated with this communication to Deposit Account No. 22-0350.

***If paragraph II.1 or III is checked, also check one of the paragraphs below***

\_\_\_\_ I hereby certify, under 37 CFR §1.97(e)(1), that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the date of the filing of this information disclosure statement.

\_\_\_\_ This communication was not received by any individual designated in § 1.56(c) more than thirty days prior to the filing of the Information Disclosure Statement.

\_\_\_\_ I hereby certify, under 37 CFR §1.97(e)(2), that no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and to the knowledge of the person signing the statement after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 1.56(c) more than three months prior to the filing of the Information Disclosure Statement.

***For the purpose of this certification, Applicant considers the PCT International Search Authority to constitute a foreign patent office.***

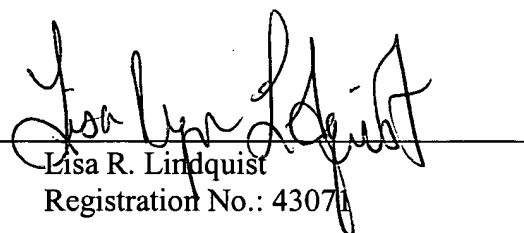
If this Information Disclosure Statement has been submitted without the appropriate box checked, Applicant requests that this Information Disclosure Statement be considered nevertheless if it is timely submitted under any of the provisions of 37 C.F.R. §1.97 or otherwise. Finally, if any petition is necessary to ensure consideration of this Information Disclosure Statement, Applicant requests that this be treated as such a petition.

Respectfully submitted,

VIDAS, ARRETT & STEINKRAUS

Date: April 19, 2005

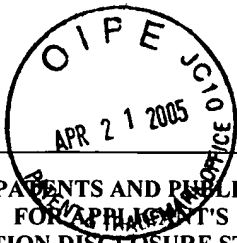
By: \_\_\_\_\_

  
Lisa R. Lindquist

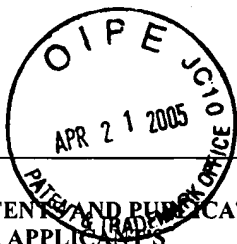
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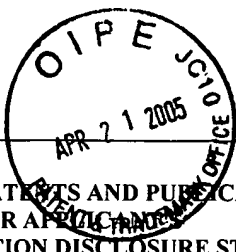


<b>LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT</b> (Use several sheets if necessary)				ATTY DOCKET NO.: S63.2B-9515-US01		APPLICATION NO.: 09/885568	
				APPLICANT: John Jianhua Chen, Lixiao Wang, Yiqun Wang, Albert C.C. Chin			
				FILING DATE: June 20, 2001		GROUP: 1772	
REFERENCE DESIGNATION				U.S. PATENT AND PUBLISHED APPLICATION DOCUMENTS			
EXAM'S INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS/ SUBCLASS	FILING DATE IF APPROPRIATE	
	AA	6136258	10/24/00	Wang et al.	264/514		
	AB	6156842	12/00	Hoenig et al.	525/171		
	AC	6242063	06/01	Ferrera et al.	428/35.2		
	AD	6284333	09/04/01	Wang et al.	428/35.5		
	AE						
	AF						
	AG						
	AH						
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	AK						
	AL						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY			
	BA						
	BB						
	BC						
OTHER ART (Including Author, Title, Date, Pertinent Pages, Ect.)							
	CA	P. Peyser, "Glass Transition Temperatures of Polymers" in Polymer Handbook 3 <sup>rd</sup> ed. J. Brandrup and E.H. Immergut eds., VI-258-259.					
	CB	P.J. Collings, "Liquid Crystals, Nature's Delicate Phase of Matter", pp. 20-23, 162-180 (1990).					
	CC	I.C. Khoo, "Liquid Crystals Physical Properties and Nonlinear Optical Phenomena", p. 5-11, 1995.					
	CD	Hal-Garcia Cardiology Associates, May 1, 2000, Percutaneous Transluminal Coronary Aigioplasty <a href="http://www.hgcardio.com/ptc">http://www.hgcardio.com/ptc</a> .					
	CE	Polymers- A Property Database Copyright CRC Press, LLC, 2000.					
EXAMINER				DATE CONSIDERED			
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

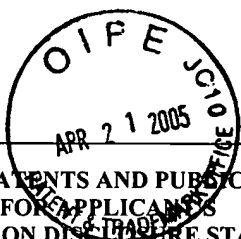


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	AA	RE 32,983	07/11/89	Levy	428/36.92	
	AB	3991014	11/09/76	Kleinschuster	260/47	
	AC	4067852	01/10/78	Calundann	260/47	
	AD	4083829	04/11/78	Calundann et al.	260/47	
	AE	4130545	12/19/78	Calundann	260/40	
	AF	4154244	05/15/79	Becker	128/349	
	AG	4161470	07/17/79	Calundann	260/40	
	AH	4318842	03/09/82	East et al.	524/605	
	AI	4331786	05/25/82	Foy et al.	525/408	
	AJ	4386174	05/31/83	Cogswell et al.	524/27	
	AK	4412059	10/83	Krigbaum et al.	528/192	
	AL	4417021	11/83	Naakamura	524/538	
	AM	4433083	02/21/84	Cogswell et al.	524/27	
	AN	4438236	03/20/84	Cogswell et al.	525/165	
	AO	4444817	04/84	Subramanian	428/36	
	AP	4448195	05/84	LeVeen	12/344	
	AQ	4468364	08/28/84	Ide	264/176	
	AR	4829683	05/89	Chikamori et al.	36/51	
	AS	4963313	10/16/90	Noddin et al.	264/573	
	AT	5059751	11/22/91	Woodman et al.	200/61.45	
	AU	5195969	03/23/93	Wang et al.	604/96	
	AV	5254089	10/19/93	Wang	604/96	
	AW	5264260	11/23/93	Saab	428/35.5	
	AX	5270086	12/14/93	Hamlin	428/35.2	
	AY	5290306	03/01/94	Trotta et al.	606/194	
	AZ	5304340	04/19/94	Downey	264/521	
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	AA	5306246	04/26/94	Sahatjian et al.	604/96	
	AB	5328468	07/12/94	Kaneko et al.	604/96	
	AC	5330428	07/19/94	Wang	604/96	
	AD	5348538	09/20/94	Wang et al.	604/96	
	AE	5358486	10/25/94	Saab	604/96	
	AF	5389314	02/14/95	Wang	264/25	
	AG	5441489	08/15/95	Utsumi et al.	604/280	
	AH	5447497	09/05/95	Sogard et al.	604/101	
	AI	5458572	10/17/95	Campbell et al.	604/96	
	AJ	5512051	04/30/96	Wang et al.	604/96	
	AK	5554120	09/10/96	Chen et al.	604/96	
	AL	5556383	09/17/96	Wang et al.	604/96	
	AM	5565530	10/15/96	Hattori et al.	525/419	
	AN	5587125	12/24/96	Roychowdhury	264/515	
	AO	5702418	12/30/97	Ravenscroft	606/198	
	AP	5704913	01/06/98	Abele et al.	604/101	
	AQ	5733980	03/98	Cozewith et al.	525/314	
	AR	5755690	05/26/98	Saab	604/96	
	AS	5797877	08/25/98	Hamilton et al.	604/96	
	AT	5807327	09/15/98	Green et al.	604/96	
	AU	5830182	11/03/98	Wang et al.	604/96	
	AV	5833657	11/98	Reinhardt et al.	604/101.02	
	AW	5863488	01/99	Moriya	264/512	
	AX	6059751	05/09/00	Ostapchenko et al.	604/96	
	AY	6086556	07/11/00	Hamilton et al.	604/96	
	AZ	6124007	09/26/00	Wang et al.	428/35.2	
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**OTHER ART (Including Author, Title, Date, Pertinent Pages, Ect.)**

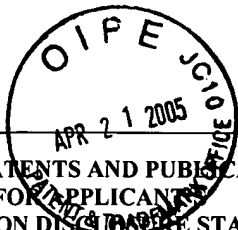
	CA	Alger, Polymer Science Dictionary, 2 <sup>nd</sup> Edition, 1997.
	CB	Yong Yang, Hydroxypropylcellulose, Polymer Data Handbook, Oxford University Press, Copyright 1999.
	CC	J.P. DeSouza et al., "Processing Studies of In Situ Composites Based on Blends of Liquis Crystalline Polymers With Engineering Thermoplastics", <i>Polymer Preprints</i> , 392-393 April 1992.
	CD	Q. Lin and A.F. Yee, Measurement of Molecular Orientation of Liquid Crystalline Polymer <i>in situ</i> Composites by X-Ray Scattering Technique, <i>Polymer Preprints</i> , pp. 298-99, April 1992.
	CE	J.M. Schultz, "Structure Evolution In PET Fibers". <i>Polymer Preprints</i> , 304-306 April 1992.
	CF	J. Liu et al., "Crystal Structure and Transitions in Rigid Rod Thermotropic Liquid Crystal Polymers", <i>Polymer Preprints</i> , 337-338 April 1992.
	CG	J.G. Harris and Y. Wang, "Molecular Dynamics Studies of Branched and Linear Hydrocarbons at Liquid-Vapor and Liquid-Solid Interfaces", <i>Polymer Preprints</i> , 539-540, April 1992.
	CH	W.J. Farrissey and T. M. Shah, Polyamide Thermoplastic Elastomers, in Handbook of Thermoplastic Elastomers, B.M. Walker and C.R. Rader, eds., pp. 258-281.
	CI	B.N. Epstein et al., "Polymer Blends-An Overview", <i>Polymer Preprints</i> , 42-43, June 1991.
	CJ	M.M. Coleman et al., "Miscibility Maps for Copolymer-Copolymer Blends: A Comparison of Theoretical Predications to Experimental Data", <i>Polymer Preprints</i> , 44-45, June 1991.
	CK	W.M. Cheng et al., "Main Chain-Side Chain Liquid Crystal Polymer Blends for Improved Physical Properties", <i>Polymer Preprints</i> , 50-51, June 1991.
	CL	R.R. Matheson, Jr., "Polymers, Processes and Additives as Systems", <i>Polymer Preprints</i> , 52-53, June 1991.
	CM	S. Allen et al., "The Effect of Additives on Tensile Properties of PPD-T Fibers", <i>Polymer Preprints</i> , 54-55, June 1991.

**EXAMINER**

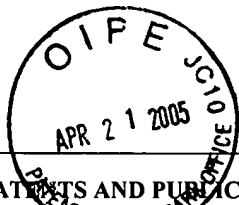
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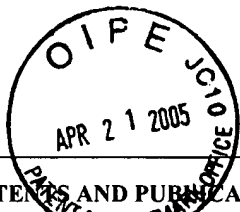


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	CA		J.R. Runt et al., "Phase Behavior and Crystallization in Blends of Poly(butylene terephthalate) and Polyarylate", <i>Polymer Preprints</i> , 56-57, June 1991.		
	CB		T.W. Dheng et al., "Property and Morphology Relationships for Ternary Blends of Polycarbonate, Brittle Polymers, and an Impact Modifier", <i>Polymer Preprints</i> , 58-59, June 1991.		
	CC		M.M. Nir and R.E. Cohen, "Compatibilization of Blends of Crystallizable Polybutadiene Isomers by Precipitation and by Addition of Amorphous Diblock Copolymer", <i>Polymer Preprints</i> , 60-61 June 1991.		
	CD		U.M. Vakil and G.C. Martin, "Analysis of Structure-Property Relations in Crosslinked Epoxies", <i>Polymer Preprints</i> , 62-63, June 1991.		
	CE		Superex Polymer, Inc. press release, "Dual Compatibilized Recyclable PET-LCP Alloys with Enhanced Barrier and Structural Performance",		
	CF		Hoechst Celanese Vectra © Liquid Crystal Polymer Product Information		
	CG		Superex Polymer, Inc Advertisement, "Building product value through new processing and application technologies",		
	CH		Xydar© product data, September 1994.		
	CI		Amoco Engineering Plastics for Performance and Value product brochure.		
	CJ		B. Miller, "Rotating Dies Pave Way for Extruding LCP", <i>Plastics World</i> .		
	CK		A.M. Adur and L.J. Bonis, "PET-LCP Compatibilized Alloys: A New Unique Development"		
	CL		G.C. Rutledge, "Modelling Chain Rigidity and Orientation in Liquid Crystalline Polymers", <i>Polymer Preprints</i> , 537-538, April 1992.		
	CM		R.K. Menon, "Kinetic Theory for Liquid Crystalline Polymer Solutions", <i>Polymer Preprints</i> , 574-575, April 1992.		
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	CA		O.V. Noah and N.A. Plate, "Simulation of Macromolecules Conformations in Processes of Intra and Intermolecular Crosslinking", <i>Polymer Preprints</i> , 578-579, April 1992.		
	CB		H. Boubilil et al., "Morphology of Polyamide and Polyether Block Amide Blends", <i>Polymer Engineering and Science</i> , Vol. 29, No. 10, 679-684, May 1989.		
	CC		E. Okoroafor and J. Rault, "Cryodilation of Thermoplastic PEBA Elastomers", <i>J. Polymer Sci: Part B: Polmer Physics</i> , Vop1. 29, 1427-1436, 1991.		
	CD		E. Barmatov et al., "Oriented Networks of Comb-Shaped Liquid Crystalline Polymers", <i>Polymer Preprints</i> , 706-707, August 1993.		
	CE		M. Brehmer et al., "LC-Elastomers by Chemical and Physical Crosslinking", <i>Polymer Preprints</i> , 708-709, August 1993.		
	CF		A.Y. Bilibin and A.R. Stepanova, "Synthesis of Liquid Crystalline Multiblock Copolymers With Definite Structure of Rigid Block", <i>Polymer Preprints</i> , 714-715, August 1993.		
	CG		Y. Yang et al., "Orientation and Strain-Induced Liquid-Crystalline Phase Transition of Networks of Semi-Rigid Chains, <i>Polymer Preprints</i> , 729-730, August 1993.		
	CH		R. Stadler and T. Oehmichen, "Telechelic Oligoaramides-A Means for Rigid-Rod Molecular Inforcement of Thermoplastic Materials", <i>Polymer Preprints</i> , 731-733, August 1993.		
	CI		D.H. Weinkauff and D.R. Paul, "The Influence of Molecular Architecture on Gas Transport Properties of Liquid Crystalline Polymers", <i>Polymer Preprints</i> , 372-373, August 1991.		
	CJ		P.A. Rodgers and I.C. Sanchez, "Gas Solubility in Polymers and Blends", <i>Polymer Preprints</i> , 392-393, August 1991.		
	CK		W. Brostow, "Properties of Polymer Liquid Crystals: Choosing Molecular Structures and Blending", <i>Polymer</i> , Vol. 31, 979-995, June 1990.		
	CL		R.J. Lewis, Sr., "Hawley's Condensed Chemical Dictionary, 12 <sup>th</sup> ed." Pp. 704, 932-934, 936-939 (1993).		
	CM		Kirk-Othmer Concise Encyclopedia of Chemical Technology, pp. 148-149, 391-395, 814-819, 924-939 (1985).		
<b>EXAMINER</b>			<b>DATE CONSIDERED</b>		
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.					

of



<b>LIST OF PATENTS AND PUBLICATIONS FOR APPENDIX 1 INFORMATION DISCLOSURE STATEMENT</b> (Use several sheets if necessary)	<b>ATTY DOCKET NO.:</b> S63.2B-9515-US01	<b>APPLICATION NO.:</b> 09/885568
	<b>APPLICANT:</b> John Jianhua Chen, Lixiao Wang, Yiqun Wang, Albert C.C. Chin	
	<b>FILING DATE:</b> June 20, 2001	<b>GROUP:</b> 1772

**FOREIGN PATENT DOCUMENTS**

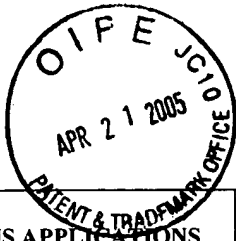
		DOCUMENT NUMBER	DATE	COUNTRY
	BA	0 369 734	05/23/90	EP
	BB	0 420 488	04/03/91	EP
	BC	0 934 755 A2	08/11/99	EP
	BD	1 008 363	06/14/00	EP
	BE	92/19316	11/12/92	WO
	BF	92/19440	11/12/92	WO
	BG	93/24574	09/12/93	WO
	BH	95/23619	09/08/95	WO
	BI	96/00752	01/11/96	WO
	BJ	96/04951	02/22/96	WO
	BK	97/24403	07/10/97	WO
	BL	97/32624	09/12/97	WO
	BM			
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	BY			
	BZ			

**EXAMINER**

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UNPUBLISHED US APPLICATIONS NOT RELATED BY PRIORITY (COPIES ENCLOSED)	ATTY DOCKET NO.: S63.2B-9515-US01	APPLICATION NO. 09/885568
	APPLICANT: John Jianhua Chen, Lixiao Wang, Yiqun Wang, Albert C.C. Chin	
	FILING DATE: June 20, 2001	GROUP: 1772

UNPUBLISHED US APPLICATIONS NOT RELATED BY PRIORITY				
EXAM'S INIT.		APPLICATION NO.	FILING DATE	INVENTOR(S)
	DA	US 2001-0019751 A1	03/19/01	Ferrera et al.
	DB	US-2002-0045017-A1	12/12/01	Wang et al.
	DC			
	DD			
	DE			
EXAMINER				DATE CONSIDERED
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US APPLICATIONS RELATED BY PRIORITY (COPIES NOT ENCLOSED)	ATTY DOCKET NO.: S63.2B-9515-US01	APPLICATION NO. 09/885568				
	APPLICANT: John Jianhua Chen, Lixiao Wang, Yiqun Wang, Albert C.C. Chin					
	FILING DATE: June 20, 2001	GROUP: 1772				
US APPLICATIONS RELATED BY PRIORITY						
EXAM'S INIT		APPLICATION NO.	FILING DATE	PATENT NO.	INVENTOR(S)	FORM 1449/892 ENC
	EA	09/426384	10/25/99		Chen et al.	
	EB	09/696378	10/25/99		Wang et al.	
	EC					
	ED					
	EE					
	EF					
EXAMINER				DATE CONSIDERED		
EXAMINER: Initial if application considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.						